

SECTION 1540 ENCASEMENT

1540-1 DESCRIPTION

Furnish and install encasement or casing pipes. For the purposes of this specification the words encasement, casing, encasement pipe and casing pipe are interchangeable.

1540-2 MATERIAL

Refer to Division 10.

Item	Section
Concrete Pipe	1034-3
Flowable Fill	1000-6
Grout	1003
PVC Pipe	1034-2
Select Materials	1016
Steel Encasement Pipe	1036-4(B)
Treated Timber	1082-3
Vitrified Clay Pipe	1034-1

Other pipe as designed by an engineer licensed by the State of North Carolina.

Submit material certifications and obtain approval from the Engineer before installation.

1540-3 CONSTRUCTION METHODS

(A) Open Cut

Apply Section 1505 for excavation, trenching, pipe laying and backfill.

(B) Welding

Weld in accordance with Article 1032-5.

(C) Marker Posts

Mark encasements for future use with a treated wooden marker post. Place wooden marker post at the right of way or at the ends of encasements if encasements extend beyond the right of way.

(D) Carrier Pipe Installation

Install carrier pipe through casing using spacers or insulators to support the carrier pipe. Place spacers at intervals sufficient to support the carrier pipe without sagging. Install spacers sized to raise the carrier pipe bells above the encasement pipe invert.

Seal ends of casing with concrete, brick or other approved materials. Ensure drainage of encasement by leaving a 1" diameter weep hole in the seal of the lower end of the encasement.

(E) Casing Pipe Fill

Pump or place flowable fill; grout; or Class III Type 1, Class IV or Class V select materials into the annular void between the carrier pipe and casing pipes 36" or larger.

1540-4 MEASUREMENT AND PAYMENT

___" *Encasement Pipe* will be measured from end to end and paid at the contract unit price per linear foot for each size.

Payment will be made under:

Pay Item	Pay Unit
___" Encasement Pipe	Linear Foot